

Updated: 19-Jan-2022

Bentonite

Specification Sheet

Description: Bentonite is a natural clay that typically derives from volcanic ash. It consists mainly of silica (58-61%), aluminum (21-22%) and various other minerals including sodium, magnesium, calcium, ferric oxide, and potassium. It is widely used as texturizer, filler, thickener, and pigment binder. Swelling power 24+ ml.

CAS: 1302-78-9

INCI Name: Bentonite

Composition: Bentonite

Purity Grade: No purity grade applicable

Appearance: Off-white to tan powder, odorless

pH Value: pH range: 9-10

Benefits:

- Used as thickener, absorbent, filler, texturizer and binder in various skin and hair care products and color cosmetics
- Has thickening and suspending properties (e.g., suspends pigments) and effectively thickens and stabilizes emulsions
- Acts synergistically with common thickeners like xanthan gum and HE cellulose

Use: Add to water phase of formulas to let the bentonite swell. Typical use level 1-50%. For external use only.

Applications: Creams, lotions, facial cleansers, hair care (anti-flaking shampoos, conditioners & styling products), body powders, deodorants sticks, depilatories, make-up, shaving creams.

Solubility: Water-insoluble

Preservation: Preservative-free

Storage: Store in a closed container at a dry place at room temperature

Country of Origin: USA

Raw material source: Volcanic ash

Manufacture: Bentonite is extracted from volcanic ash and then crushed, milled to powder, dried and, if necessary, activated with the addition of soda ash.

Animal Testing: Not animal tested

GMO: GMO-free (does not contain plant-derived components)

Vegan: Does not contain animal-derived components

HS Code: 3003100000